BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	00000000000000000000000000000000000000	KKK KK KKK KK KKK KK KKK KK KKK KK KKK KK KKK KK KK	KKK KKK KKK KKK KKK KKK	000 000 000 000 000 000 000 000 000 00	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
BBBBBBBBBBBB	AAA AAA	2222222222	KKK	KKK	UUUUUUUUUUUUUU	PPP
BBBBBBBBBBBB	AAA AAA	2222222222	KKK	KKK	UUUUUUUUUUUUU	PPP

\$	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	NN	
	\$		

Page (1)

VAX-11 Bliss-32 V4.0-742 [BACKUP.SRC]STAINIT.B32;1

16-Sep-1984 00:58:51 14-Sep-1984 11:54:04

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This module contains the routines that initialize the standalone

29-Oct-1983 Change image name to STANDALON.EXE to match change to

10-Feb-1983 19:13 Output ident message at startup. Condition disabling of bugcheck code on DUMPBUG SYSGEN parameter.

MLJ0085 Martin L. Jack, 30-Mar-1982 12:59 Copy a small routine over EXE\$BUG_CHECK that types out a console message 'Bugcheck' if a bugcheck occurs. Since the V03-001 MLJ0085

STAINIT V04-000	Standalone BACKUP	initialization	L 15 16-Sep-1984 00:58:51	VAX-11 Bliss-32 V4.0-742 [BACKUP.SRC]STAINIT.B32;1	Page 2
58 59 60 61	0058 1 ! 0059 1 ! 0060 1 ! 0061 1 !**	console media bugcheck code	containing the executive is not cannot be loaded.		

STAINIT VO4-000	Standalone BACKUP initialization M 15 16-Sep-1984 00:58:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 11:54:04 [BACKUP.SRC]STAINIT.B32:1
: 63 : 64 : 65	0062 1 REQUIRE 'SRC\$:COMMON'; 1168 1 LIBRARY 'SYS\$LIBRARY:LIB'; 1169 1
67 68 69 70	1171 1 LINKAGE 1172 1 JSB= JSB: NOPRESERVE(2,3,4,5,6,7,8,9,10,11), 1173 1 JSB_RO= JSB(REGISTER=0): PRÉSÉRVE(0,1,2,3,4,5,6,7,8,9,10,11),
72 73 74 75 76 77 78 79	1176 1 1177 1 FORWARD ROUTINE 1178 1 STA_INIT: NOVALUE, Driver for initialization 1179 1 STA_BUGCHECK: JSB NOVALUE, Routine copied over EXE\$BUG_CHECK 1180 1 STA_BUG_INSTALL, Install bugcheck code 1181 1 STA_HANDLER, Last-chance handler 1182 1 PUTMSG_ACTRIN, \$PUTMSG_action routine for handler 1183 1 STA_RESTART: NOVALUE; Restart standalone version
63 645 667 669 7123 7767 7789 8123 8889 9123 9123 9123 9123 9123 9123 9123 912	JSB_PRESERVE= JSB:; 176 1177 1 FORWARD ROUTINE STA_INIT: NOVALUE, Poriver for initialization STA_BUGCHECK: JSB NOVALUE, Routine copied over EXE\$BUG_CHECK 180 1 STA_BUG_INSTALL, Install bugcheck code 181 182 1 PUTMSG_ACTRIN, STA_RESTART: NOVALUE; PUTMSG action routine for handler 183 1 STA_RESTART: NOVALUE; Restart standalone version 184 185 1 EXTERNAL ROUTINE 186 1 EXTERNAL ROUTINE 187 188 1 CLI\$DCL_PARSE: ADDRESSING_MODE(GENERAL), Stand-alone command parser 189 1190 1 LIB\$GET_COMMAND:ADDRESSING_MODE(GENERAL), Stand-alone get from SYS\$COMMAND 191 192 1 CON\$PUTCHAR:ADDRESSING_MODE(GENERAL) JSB_RO NOVALUE; 193 194 195 1 CON\$OWNCTY:ADDRESSING_MODE(GENERAL) JSB_PRESERVE NOVALUE;
	1197 1 1198 1 EXTERNAL 1199 1
97 98 99 100 101 102 103 104 105	1204 1 1205 1 EXTERNAL LITERAL 1206 1 BACKUP\$ IDENT, 1207 1 EXE\$V_INIT: UNSIGNED(6); ! True if RMS and ACP are active 1208 1 1209 1 1210 1 G\$DEFINE(); ! Define global area
106	1209 1 1210 1 G\$DEFINE(); ! Define global area

Page 3 (2)

```
N 15
16-Sep-1984 00:58:51
14-Sep-1984 11:54:04
STAINIT
VO4-000
                    Standalone BACKUP initialization STA_INIT - Stand-alone BACKUP initialization
                                                                                                               VAX-11 Bliss-32 V4.0-742 [BACKUP.SRCJSTAINIT.B32;1
                              %SBTTL 'STA_INIT - Stand-alone BACKUP initialization' GLOBAL ROUTINE STA_INIT: NOVALUE=
    108
!++
                                 FUNCTIONAL DESCRIPTION:
                                         This routine is the driver for initialization of the stand-alone
                                         BACKUP.
                                 INPUT PARAMETERS:
                                         NONE
                                 IMPLICIT INPUTS:
                                         NONE
                                 OUTPUT PARAMETERS:
                                         NONE
                                 IMPLICIT OUTPUTS:
                                         NONE
                                 ROUTINE VALUE:
                                         NONE
                                 SIDE EFFECTS:
                                         NONE
                              BEGIN
                              LOCAL
                                                             VECTOR[132,BYTE],
BBLOCK[8];
                                        BUFFER:
                                                                                           ! Command buffer
                                                                                           ! Local descriptor
                                         DESC:
                              BUILTIN
                                        FP:
                                        FP:
                                                             REF BBLOCK:
                                Establish the general handler. Since this routine is called by the main routine, this code will establish it as a stack handler in that routine.
                               .FP[SF$L_SAVE_FP] = STA_HANDLER;
                                If we are really running standalone, copy our own routine over the exec's
                                 bugcheck code.
                              IF NOT .EXESGL_FLAGS[EXESV_INIT]
                                    $CMKRNL(ROUTIN=STA_BUG_INSTALL);
                                Output the ident message.
                              SIGNAL (BACKUPS_IDENT, 3, %CHARCOUNT (BACKUPSVERSION), VERSION_STRING, 0);
```

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(3)

```
B 16
16-Sep-1984 00:58:51
14-Sep-1984 11:54:04
STAINIT
VO4-000
                       Standalone BACKUP initialization STA_INIT - Stand-alone BACKUP initialization
                                                                                                                                  VAX-11 Bliss-32 V4.0-742 [BACKUP.SRCJSTAINIT.B32:1
    165
166
167
168
169
170
171
173
174
175
176
181
182
183
                         270
                                      Get the command.
                                   COM_FLAGS[COM_STANDALONE] = TRUE;
                                         DESC[DSC$W_LENGTH] = 132;

DESC[DSC$B_DTYPE] = DSC$K_DTYPE_T;

DESC[DSC$B_CLASS] = DSC$K_CLASS_S;

DESC[DSC$A_POINTER] = BUFFER;

LIB$GET_COMMAND(DESC, $DESCRIPTOR(%CHAR(%O'012'), '$ '), DESC);
                                   UNTIL
                                         BEGIN
                                         IF .DESCEDSCSW_LENGTH] EQL O
                                3
2
1 END;
                                               ELSE CLISDCL_PARSE(DESC, BACKUPCMD)
                                         END:
                                                                                                             .TITLE
                                                                                                                         STAINIT Standalone BACKUP initialization
                                                                                                             . IDENT
                                                                                                                         \V04-000\
                                                                                                             .PSECT COMMON, NOEXE, OVR, 2
                                                                                         00000 GLOBAL_BASE:
                                                                                         00000 FREE_LIST:
                                                                                         OOOOS INPUT_WAIT:
                                                                                        00010 REREAD_WAIT:
                                                                                                              BLKB
                                                                                        00018 OUTPUT_WAIT:
                                                                                        00020 JPI_UIC:.BLKB
00024 JPI_USERNAME:
                                                                                                                         12
                                                                                                              .BLKB
                                                                                         00030 JPI_DATE:
                                                                                        00038 JPI_NODE_DESC:
                                                                                                              BLKB
                                                                                         00040 JPI_CURPRIV:
                                                                                                              BLKB
                                                                                        00048 SYI_VERSION:
                                                                                                             .BLKB
                                                                                        0004C SYI SID: BLKB
00050 RWSV_HOLD_LIST:
                                                                                                              BLKB
                                                                                         00058 RWSV_CRC16:
                                                                                                              BLKB
                                                                                         00098 RWSV_AUTODIN:
                                                                                                              BLKB
                                                                                        00008 RWSV_FILESET_ID:
```

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```
000E0 RWSV_VOLUME_ID:
OOOEC RWSV_VOL_NUMBER:
000FE RWSV_SEG_NUMBER:

BLKB 2

000FO RWSV_FILE_NUMBER:

BLKB 4

000F4 RWSV_SAVE QUAL:

BLKB 4
000F8 RWSV_SAVE_FAB:
OOOFC RWSV_CHAN:
00100 RWSV_XOR_BCB:
BLKB
00104 RWSV_IN_SEQ:
00108 RWSV_IN_SEQ_0:
0010C RWSV_IN_XOR_SEQ:
CO110 RWSV_IN_XOR_RFA:
00116 RWSV_LOOKAHEAD:
                   .BLKB
00117 RWSV_XORSIZE:
OO118 RWSV_IN_GROUP_SIZE:
BLKB 4

OO11C RWSV_IN_ERRORS:
                  .BLKB
0011E RWSV_IN_XORUSE:
00120 RWSV_IN_ORGERR:
                            8
                  .BLKB
00128 RWSV_IN_VBN:
                  .BLKB
OC12C RWSV_IN_VBN_O:
00130 RWSV_ALLOC:
                  .BLKB
00134 RWSV_EOF:
00138 RWSV_OUT_SEQ:
0013C RWSV_OUT_VBN:
00140 RWSV_OUT_BLOCK_COUNT:
 00144 RWSV_OUT_ERRORS:
00146 RWSV_SEQ_ERRORS:
00148 RWSV_OUT_GROUP_COUNT:
00149 RWSV_PADDING:
```

```
112
              .BLKB
0014C QUAL:
001BC COM_SSNAME:
                      8
               BLKB
001C4 COM_VALID_TYPES:
              BLKB
001C6 COM_FLAGS:
001C8 COM_PADDING:
001C9 COM_BUFF_COUNT:
OO1CA COM_I_SETCOUNT:
               BLKB 1
OO1CB COM_O_SETCOUNT:
               BLKB 1
OO1CC COM_I_STRUCNAME:
               .BLKB 12
001D8 COM_O_STRUCNAME:
               BLKB
                      12
001E4 COM_O_BSRDATE:
                      8
              .BLKB
OOTEC ALT_SSNAME:
                      32
              .BLKB
0020C INPUT_FUNC:
0020D INPUT_RTYPE:
              .BLKB
0020E OUTPUT_FUNC:
0020F FAST_STRUCLEV:
              .BLKB
00210 INPUT_BEG:
                      0
              .BLKB
00210 INPUT_CHAN:
              .BLKB
00214 INPUT_FLAGS:
               BLKB
00216 INPUT_PADDING:
                      2
              .BLKB
00218 INPUT_FAB:
              .BLKB
0021C INPUT_NAM:
              .BLKB
00220 INPUT_BCB:
              .BLKB
00224 INPUT_QUAL:
              .BLKB
00228 INPUT_BAD:
              .BLKB
0022C INPUT_BLOCK:
00230 INPUT_MAXBLOCK:
               BLKB
00234 INPUT_MEDIA_ID:
              .BLRB
00238 INPUT_NAMEDESC:
```

```
00240 INPUT_STATBLK:
               BLKB
00248 INPUT_HDR_BEG:
00248 INPUT_CREDATE:
00250 INPUT_REVDATE:
00258 INPUT_EXPDATE:
00260 INPUT_BAKDATE:
00268 INPUT_FILEOWNER:
0026C INPUT_FILECHAR:
00270 INPUT_RECATTR:
                      32
               BLKB
00290 INPUT_HDR_END:
               BLKB
00290 INPUT_END:
00290 INPUT_PROC_LIST:
00294 INPUT_PLACEMENT:
               .BLKB
0029C INPUT_VBN_LIST:
               BLKB
002A4 INPUT_PLACE_LEN:
002A6 INPUT_PADDING_2:
               BLKB
002A8 OUTPUT_BEG:
002A8 OUTPUT_CHAN:
               BLKB
002AC OUTPUT_FLAGS:
                      2
002AE OUTPUT_PADDING:
                      2
               BLKB
002B0 OUTPUT_FAB:
               BLKB
002B4 OUTPUT_NAM:
               BLKB
002B8 OUTPUT_BCB:
               .BLKB
002BC OUTPUT_QUAL:
               BLKB
002CO OUTPUT_BAD:
               BLKB
002C4 OUTPUT_BLOCK:
               BLKB
002C8 OUTPUT_MAXBLOCK:
              .BLKB
002CC OUTPUT_DEVGEOM:
              .BLKB 8
```

```
00204 OUTPUT_ATTBUF:
              .BLKB
                      144
00364 OUTPUT_END:
                      0
00364 LIST_TOTFILES:
00368 LIST_TOTSIZE:
0036C VERIFY_FAB:
00370 VERIFY_USE_COUNT:
00374 VERIFY_QUAL:
00378 COMPARE_BCB:
0037C FAST_BUFFER:
00380 FAST_BUFFER_SIZE:
00384 FAST_RVN:
00385 FAST_PADDING:
00386 DIR_VERLIMIT:
00388 FAST_VOL_BEG:
00388 FAST_IMAP_SIZE:
0038C FAST_IMAP:
00390 FAST_HDR_OFFSET:
00394 FAST_BOOT_LBN:
00398 FAST_VOL_END:
00398 JOUR_BUFFER:
              .BLKB
0039C JOUR_DIR:
003A0 JOUR_HIBLK:
003A4 JOUR_EFBLK:
003A8 JOUR_INBLK:
003AC JOUR_FFBYTE:
003AE JOUR_INBYTE:
003B0 JOUR_STRUCT_LEV:
003B2 JOUR_COUNT:
003B3 JOUR_REVERSE:
```

```
00384 JOUR_EXSZ:
                          2
00386 JOUR_PADDING:
003B8 CHKPT_HIGH_SP:
003BC CHKPT_LOW_SP:
003CO CHKPT_STACK:
003C4 CHKPT_VARS:
003C8 CHKPT_STATUS:
003CC DIR_BEG:.BLKB
003D0 DIR NAM: BLKB
003D4 DIR DEV DESC:
003D8 DIR_SEL_DIR:
003E0 DIR_SEL_NTV:
003E8 DIR_STRUCLEV:
                 BLKB
003E9 DIR_LEVELS:
                 BLKB
003EA DIR_FLAGS:
                 BLKB
003EB DIR_STATUS:
                 BLKB
003EC DIR_STRING:
                         320
                 BLKB
0052C DIR_STACK:
00790 DIR SP: BLKB
00794 DIR SEL LATEST:
                         612
                 .BLKB
00798 DIR_END:.BLKB
00798 DIR_SCANLIMIT:
                         36
                 BLKB
007BC INPUT_MTL:
007CO OUTPUT_MTL:
                 BLKB
007C4 CURRENT_MTL:
                 BLKB
007C8 CURRENT_VCB:
                 BLKB
007CC CURRENT_WCB:
007DO ACL_FIB_DESCR:
007D8 ACL_FIB: BLKB
00818 ACL_LENGTH:
```

00000000G

CALLS

BEQL

1283

STAINIT | Standalone BACKUP initialization | 16-Sep-1984 00:58:51 | VAX-11 Bliss-32 V4.0-742 | Page 12 V04-000 | STA_INIT - Stand-alone BACKUP initialization | 14-Sep-1984 11:54:04 | [BACKUP.SRCJSTAINIT.B32:1 | (3) | (3) | (3) | (3) | (4) | (4) | (4) | (4) | (4) | (4) | (5) | (4) | (5) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) | (6) |

; Routine Size: 117 bytes, Routine Base: CODE + 000C

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	STAINIT VO4-000	Standalone BACKUP initialization 16-Sep-1984 00:58:51 VAX-11 Bliss-32 V4.0-742 STA_BUGCHECK - system bugcheck overlay 14-Sep-1984 11:54:04 [BACKUP.SRC]STAINIT.B32:1	Page 14 (4)
		12	: 1330 : 1331 : 1332 : 1333 : 1333 : 1337 : 1338
-	; Routine Size:	: 31 bytes, Routine Base: CODE + 0084	
	237 238 239 240	1339 1 OWN STA_BUGCHECK_MESSAGE: PSECT(CODE) VECTOR[14,BYTE] 1340 1 INITIALTBYTE 1341 1 (%CHAR(%O'015', %O'012', 0, 0), 'Bugcheck', %CHAR(%O'015', %O'012'))); 1342 1 OWN STA_BUGCHECK_END: PSECT(CODE) VECTOR[0];	

```
L 16
16-Sep-1984 00:58:51
14-Sep-1984 11:54:04
STAINIT
VO4-000
                     Standalone BACKUP initialization
                                                                                                                       VAX-11 Bliss-32 V4.0-742
[BACKUP.SRC]STAINIT.B32;1
                     STA_BUG_INSTALL - install bugcheck overlay
                      1343
1344
1345
1346
1347
1348
1350
                                %SBTTL 'STA_BUG_INSTALL - install bugcheck overlay'
ROUTINE STA_BUG_INSTALL=
   FUNCTIONAL DESCRIPTION:
                                           This routine is called in kernel mode to install the bugcheck routine
                                           over EXESBUG_CHECK.
                                   INPUT PARAMETERS:
                                           NONE
                                   IMPLICIT INPUTS:
                                           Code between STA_BUGCHECK_BEGIN and STA_BUGCHECK_END.
                      1358
1359
1360
1361
1363
1364
1366
1367
1368
1369
                                   OUTPUT PARAMETERS:
                                           NONE
                                   IMPLICIT OUTPUTS:
                                           Code between STA_BUGCHECK_BEGIN and STA_BUGCHECK_END moved to
                                           EXESBUG_CHECK.
                                   ROUTINE VALUE:
                                           SS$_NORMAL
                                   SIDE EFFECTS:
                                           NONE
                                BEGIN
                     1374
1375
                                LINKAGE
                                           INI=
                                                                            JSB:
                                                                                       PRESERVE(0,1,2,3,4,5,6,7,8,9,10,11);
                                EXTERNAL ROUTINE
                                                                            INI NOVALUE ADDRESSING_MODE(GENERAL);
INI NOVALUE ADDRESSING_MODE(GENERAL);
                                           INISWRITABLE:
                                           INISRDONLY:
                                EXTERNAL LITERAL
                      1380
                                           EXESV_BUGDUMP
                                                                 : UNSIGNED (6);
                     1381
1382
1383
1384
1386
1386
1387
1388
1389
1391
1392
1393
                                EXTERNAL
                                                                 : BITVECTOR ADDRESSING MODE (GENERAL), ADDRESSING MODE (GENERAL);
                                           EXESGL_FLAGS
                                           EXESBUG_CHECK:
                                IF NOT .EXESGL_FLAGS[EXESV_BUGDUMP]
THEN
                                     BEGIN
INISWRITABLE():
                                      INISWRITABLE(): ! Make system writable CH$MOVE(STA_BUGCHECK_END-STA_BUGCHECK_BEGIN, STA_BUGCHECK_BEGIN, EXE$BUG_CHECK);
                                      INISRDONLY ():
                                                                            ! Make system read-only
                                      END:
                               SS$_NORMAL
END;
```

Page

STAINIT VO4-000	Standalo STA_BUG_	ne BAC INSTAL	KUP i	niti nsta	ali	zation bugche	ck (overl	ay	1	1 16 5-Sep-19 4-Sep-19	34 00:58 34 11:54	3:51	VAX-11 EBACKU	Bliss-32 V4.0-742 P.SRCJSTAINIT.B32;1	Pag	ge 16 (5)
		6B	63	65	68		00 67		0D 42 0D	000A8	STA_BUG	.ASCII	<13><	(10><0><(theck\ (10>	0>		: :
												.EXTRN	EXE\$	RITABLE	INISRDONLY EXESBUG_CHECK		
	0000000G	15 00 00		C	AF	000000		000	E0 16 28 16 04	00002	STA_BUG	INSTALL WORD BBS JSB MOVC3 JSB MOVL RET	Save S^EXE INI\$	STA BUGG	4.R5.R6.R7.R8.R9.R10 UMP, EXESGL_FLAGS, 19 CHECK_BEGIN, EXESBUG	\$ ^{R11} _CHECK	1344 1386 1389 1390 1391

```
STAINIT
VO4-000
                     Standalone BACKUP initialization STA_HANDLER - top level condition handler
                                                                                      16-Sep-1984 00:58:51
14-Sep-1984 11:54:04
                                                                                                                      VAX-11 Bliss-32 V4.0-742 [BACKUP.SRC]STAINIT.B32;1
   %SBTTL 'STA_HANDLER - top level condition handler'
ROUTINE STA_HANDLER(SIGNAL, MECHANISM) =
                                 ! ++
                                   FUNCTIONAL DESCRIPTION:
                                          This routine is established as a stack condition handler in the main routine for the standalone version. It calls $PUTMSG to output a signalled message. Then, if the message is fatal, it calls STA_RESTART to start the image over (or exit).
                                   INPUT PARAMETERS:
                                           SIGNAL
                                                                 - Standard VMS condition handler
                                           MECHANISM
                                                                        parameters
                                   IMPLICIT INPUTS:
                                           NONE
                     1414
1415
1416
1417
                                   OUTPUT PARAMETERS:
                                           NONE
                                   IMPLICIT OUTPUTS:
                     1418
                                           NONE
                                   ROUTINE VALUE:
                                           SS$_CONTINUE
                                   SIDE EFFECTS:
                                           If the message is of fatal severity, image is re-activated (or exits).
                               BEGIN
                               MAP
                                                                REF BBLOCK;
                                           SIGNAL:
                                                                                        Signal parameters
                                           MECHANISM:
                                                                                        Mechanism parameters
                                IF .SIGNAL[CHF$L_SIG_NAME] NEG SS$_UNWIND THEN
                                     BEGIN
                                        Call $PUTMSG to issue the message, after stripping the PC and PSL from
                                        the signal arguments.
                                     SIGNAL[CHF$L_SIG_ARGS] = .SIGNAL[CHF$L_SIG_ARGS] - 2;
                                     $PUTMSG(MSGVEC=.SIGNAL, ACTRIN=PUTMSG_ACTRIN);
                                       If the message was fatal, restart the image (or exit).
                                      IF .BBLOCK[SIGNAL[CHF$L_SIG_NAME], STS$V_SEVERITY] EQL STS$K_SEVERE
                      1448
                                      THEN
                                          STA_RESTART();
                      1450
                                     END:
```

Page

.EXTRN SYS\$PUTMSG		4 10 17
00000920	1397 1434 1441 1442 1447 1449	

STAINIT VO4-000	Standalone BACKUP initialization PUTMSG_ACTRIN - \$PUTMSG action routine	D 1 16-Sep-1984 00:58:51 14-Sep-1984 11:54:04	VAX-11 Bliss-32 V4.0-742 [BACKUP.SRC]STAINIT.B32;1	Page 19 (7)
356 357 358 361 363 364 365 3667 368 377 377 377 377 377 377 377 377 377 37	1455 1 %SBTTL 'PUTMSG_ACTRIN - \$PUTMSG action 1456 1 GLOBAL ROUTINE PUTMSG_ACTRIN(DESC) = 1457 1 1458 1 !++ 1459 1 ! 1460 1 ! FUNCTIONAL DESCRIPTION: 1461 1	tion routine for the gen lone LIB\$PUT_OUTPUT to wr		
	00000000G 00 04 AC DD 00	0000 .ENTRY PUTM	PUT_OUTPUT SG_ACTRIN, Save nothing LIB\$PUT_OUTPUT	: 1456 : 1490 : 1492

```
E 1
16-Sep-1984 00:58:51
14-Sep-1984 11:54:04
STAINIT
VO4-000
                    Standalone BACKUP initialization
                                                                                                          VAX-11 Bliss-32 V4.0-742
[BACKUP.SRC]STAINIT.B32:1
                   STA_RESTART - stand-alone image restart
                             *SBTTL 'STA_RESTART - stand-alone image restart'
                             GLOBAL ROUTINE STA_RESTART: NOVALUE=
398
399
401
402
403
404
407
408
411
                             !++
                               FUNCTIONAL DESCRIPTION:
                                      This routine is called when image execution should terminate. If running online, it exits. If running standalone, it restarts by
                                       calling BOO$ACTIMAGE to re-activate the image.
                                INPUT PARAMETERS:
                                       NONE
                               IMPLICIT INPUTS:
                                       EXESGL_FLAGS[EXESV_INIT] - True if running online.
                               OUTPUT PARAMETERS:
                                       NONE
   414
                               IMPLICIT OUTPUTS:
                                       NONE
   416
                               ROUTINE VALUE:
   NONE
                               SIDE EFFECTS:
                                       Image is re-activated (or exits). Thus, control should not return.
                             BEGIN
                               If running standalone, re-activate the image.
                             IF NOT .EXESGL_FLAGS[EXESV_INIT]
                             THEN
                                  BOOSACTIMAGE(SDESCRIPTOR('STANDALON.EXE'));
                               Re-activate failed or not executed.
                             SEXIT();
                             END:
                                                                        00119 P.AAD:
                            4E
                                4F
                                     4C 41 44 4E 41 54 53
                                                                                         .ASCII
                                                                                                  \STANDALON.EXE\
                                                                        00126
00128 P.AAC:
0012C
                                                                                          .BLKB
                                                            0000000D
                                                                                         .LONG
                                                            00000000
                                                                                         .ADDRESS P.AAD
                                                                                          .EXTRN SYSSEXIT
                                                                        00000
                                                                                                  STA_RESTART, Save nothing
STEXESV_INIT, EXESGL_FLAGS, 1$
P.AAC
                                                                                         .ENTRY
BBS
                                                                    EO
9F
                                                                00G
                              OA 00000000G
                                                                        0000A
                                                                                         PUSHAB
                                  0000000G
                                                                01
                                                                     FB
                                                                        0000D
                                                                                         CALLS
                                                                                                   #1, BOOSACTIMAGE
```

STAINIT

Standalone BACKUP initialization STA_RESTART - stand-alone image restart F 1 16-Sep-1984 00:58:51 14-Sep-1984 11:54:04

VAX-11 Bliss-32 V4.0-742 [BACKUP.SRC]STAINIT.B32;1

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00000000 00

01 DD 00014 1\$: 01 FB 00016 04 0001D PUSHL #1 CALLS #1, SYSSEXIT RET

1535

: 1534

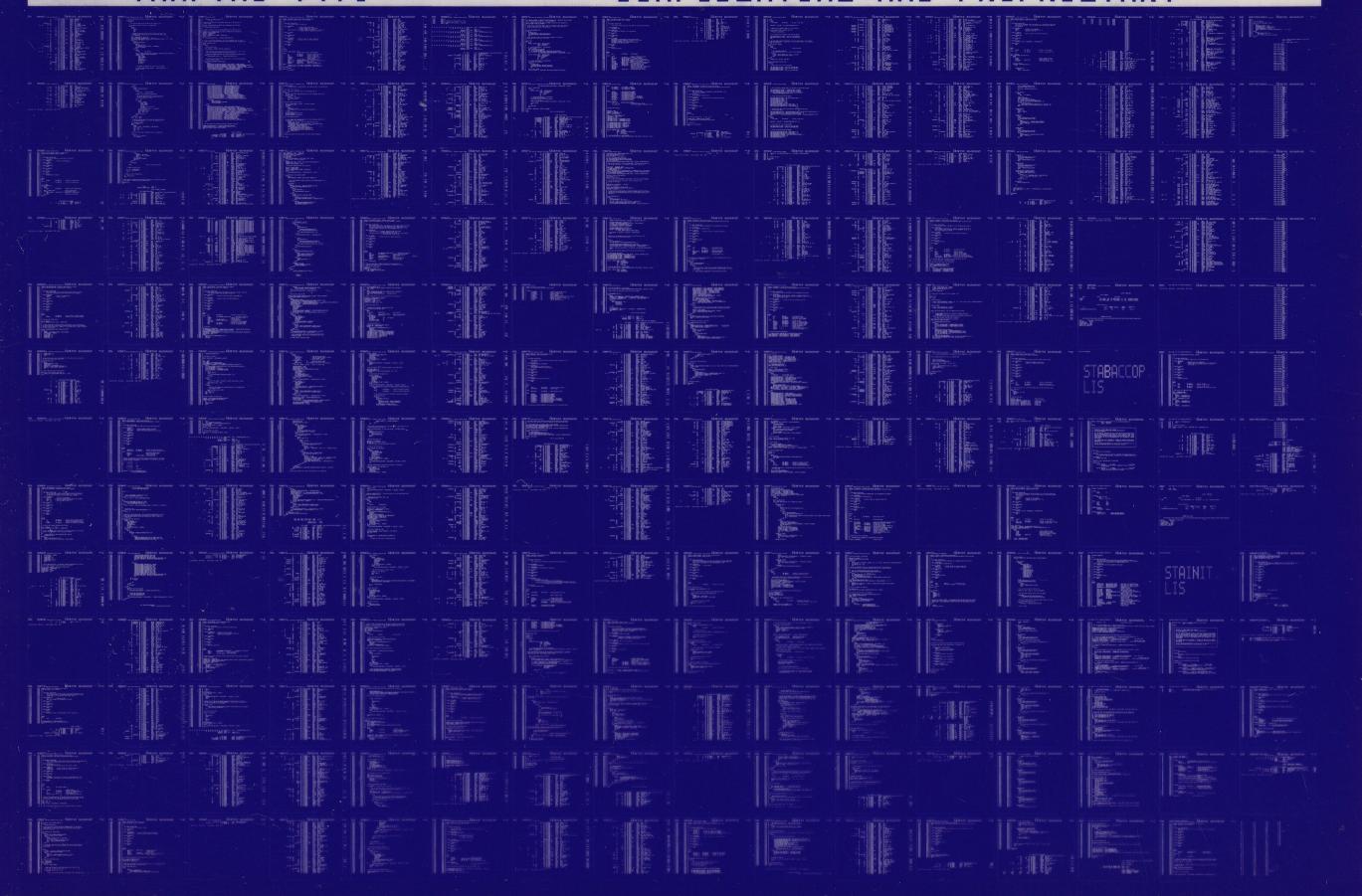
; Routine Size: 30 bytes, Routine Base: CODE + 0130

G 1 16-Sep-1984 00:58:51 14-Sep-1984 11:54:04 Standalone BACKUP initialization STA_RESTART - stand-alone image restart STAINIT VO4-000 VAX-11 Bliss-32 V4.0-742 [BACKUP.SRC]STAINIT.B32;1 : 439 1 END 0 ELUDOM .EXTRN LIB\$SIGNAL PSECT SUMMARY Attributes Name Bytes COMMON 2124 NOVEC, WRT, RD , NOEXE, NOSHR, LCL, REL, OVR, NOPIC, ALIGN(2) 334 NOVEC, NOWRT, RD , EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2) CODE Library Statistics ----- Symbols -----Pages Processing File Total Loaded Percent Mapped Time \$255\$DUA28:[SYSLIB]LIB.L32;1 18619 23 1000 00:02.2 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:STAINIT/OBJ=OBJ\$:STAINIT MSRC\$:STAINIT/UPDATE=(ENH\$:STAINIT) ; Size: 279 code 6 ; Run Time: 00:18.6 ; Elapsed Time: 00:57.1 ; Lines/CPU Min: 4971 ; Lexemes/CPU-Min: 42401 ; Memory Used: 217 pages ; Compilation Complete 279 code + 2179 data bytes 00:18.6 00:57.1

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